

e.			ATENT COOR	Rec'd I	PCT/PTO 1	6 MAY 2005	
	PATENT COOPERATION TREATY REC'D 22 NOV 2004						
	INTERNATIONAL PRELIMINARY EXAMINATION PET						
•		HWATIO		6 and Rule 70)		RT PCT	
Wings.		5	(i Oi Aiticle o	o and hale roj			
Appricant's or agent's file reference X-18014 FOR FURTHER ACTION See Notification of Tra					n of Transmittal of Inter amination Report (Forn	national n PCT/IPEA/416)	
	International application No. International PCT/US 03/35969 24.11.2003			(day/month/year)	Priority date (day/mo) 27.11.2002	nth/year) .	
	International	Patent Classification (IPC) or	both national classification	and IPC	J		
	0075487	<i>1</i> 04					
	Applicant						
	ELI LILLY	AND COMPANY		-			
	4 75.						
	1. This Auth	international preliminary ex ority and is transmitted to th	amination report has be ne applicant according to	en prepared by this Inte Article 36.	rnational Preliminary	Examining	
	2. This	2. This REPORT consists of a total of 4 sheets, including this cover sheet.					
	⊠	This report is also accomp	anied by ANNEXES, i.e.	sheets of the description	on, claims and/or dra	wings which have	
		been amended and are the (see Rule 70.16 and Section	e basis for this report and on 607 of the Administra	d/or sheets containing re tive Instructions under t	∍ctifications made be he PCT).	fore this Authority	
	These annexes consist of a total of 4 sheets.						
	3. This	roport contains indications	roložina to the fellouis .				
		☑ Basis of the opinion☐ Priority					
	HI	⊠ Non-establishment of the stable o	f opinion with regard to r	novelty, inventive step a	nd industrial applicat	oility	
		☐ Lack of unity of inven				•	
	V Reasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					trial applicability;	
	VI	☐ Certain documents cl					
	VII Certain defects in the international application						
	VIII Certain observations on the international application						
	Date of submission of the demand . Date of completion of this report						
	24.11.2003			19.11.2004			
	Name and m	nailing address of the Internatio	nal	Authorized Officer			
	preliminary e	examining authority: European Patent Office		Germen Patentage .			
	<u>)</u>	D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523	656 epmu d	Steendijk, M	•))) **********************************	
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US 03/35969

I.	Bas	is c	of t	hei	rep	ort
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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	scription, Pages	·					
	1-12	20	as originally filed					
	Cla	ims, Numbers						
	1, 2, 3 (part), 4, 5, 6 (part), 7 (part), 8 (part)		t), 7 as originally filed					
	6 (p	oart), 7 (part), 8 (part),	9-13 filed with telefax on 14.10.1994					
	3 (part)		filed with telefax on 11.11.2004					
2.	With lang	h regard to the langu guage in which the int	age, all the elements marked above were available or furnished to this Authority in the ernational application was filed, unless otherwise indicated under this item.					
	The	se elements were av	ailable or furnished to this Authority in the following language: , which is:					
		the language of a tra	he language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).					
		the language of publication of the international application (under Rule 48.3(b)).						
		the language of a tra Rule 55.2 and/or 55.	nnslation furnished for the purposes of international preliminary examination (under 3).					
3.	With inte	Vith regard to any nucleotide and/or amino acid sequence disclosed in the international application, the nternational preliminary examination was carried out on the basis of the sequence listing:						
		\square contained in the international application in written form.						
		filed together with th	e international application in computer readable form.					
		furnished subsequer	ntly to this Authority in written form.					
		The statement that the subsequently furnished written sequence listing does not go beyond the discle in the international application as filed has been furnished.						
		The statement that t listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.					
4.	The	The amendments have resulted in the cancellation of:						
		the description,	pages:					
		the claims,	Nos.:					
		the drawings,	sheets:					
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).						
		(Any replacement sh report.)	neet containing such amendments must be referred to under item 1 and annexed to this					

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/US 03/35969

6. Additional observations, if necessary:

III.	Nor	n-establishment of opinion w	ith reg	ard to nove	lty, inventive step and industrial applicability		
1.	 The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non- obvious), or to be industrially applicable have not been examined in respect of: 						
	□ ·	the entire international applica	tion,				
	\boxtimes	claims Nos. 11,13					
because:							
the said international application, or the said claims Nos. 11,13 relate to the following subject matt does not require an international preliminary examination (specify):							
see separate sheet							
	the description, claims or drawings (indicate particular elements below) or said claims Nos. are so unclear that no meaningful opinion could be formed (specify):						
the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opi could be formed.							
		no international search report	has be	en establish	ed for the said claims Nos.		
2.	A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide are or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:						
\square the written form has not been furnished or does not comply with the Standard.				ot comply with the Standard.			
		the computer readable form ha	as not	been furnish	ed or does not comply with the Standard.		
v.	Rea cita	Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1.	Stat	Statement					
	Nov	relty (N)	Yes: No:	Claims Claims	1-13		
	Inve	entive step (IS)	Yes: No:	Claims Claims	1-13		
	Indu	ustrial applicability (IA)	Yes: No:	Claims Claims	1-10,12		

2. Citations and explanations

see separate sheet

INTERNATIONAL PRELIMINARY **EXAMINATION REPORT - SEPARATE SHEET**



The present application relates to 2-(pyridin-2-yl)-5,6-dihydro-pyrrolo[1,2-1) b]pyrazole derivatives and ring extended analogues having TGF-beta signal transduction inhibiting activity.

The amendments concern the deletion of the term "prodrug" from claims 9-13 and the reformulation of claims 3 and 7 as dependent from claim 1.

2) Cited documents:

D1: WO 02/062794 A (GLAXO) 15 August 2002 (2002-08-15)

D2: WO 02/062787 A (GLAXO) 15 August 2002 (2002-08-15)

D3: WO 02/066462 A (GLAXO) 29 August 2002 (2002-08-29)

D4: WO 02/094833 A (ELI LILLY) 28 November 2002 (2002-11-28)

Document D4 was published after the priorities claimed for the present application. On the presumption that the priorities have been validly claimed, this document is herein not considered as prior art.

Novelty / Inventive step 3)

Documents D1-D3 relate to pyrazole derivatives having TGF-beta signal transduction inhibiting activity; these compounds lack the characteristic ring-fusion of the presently defined compounds.

It is further noted that document D4 describes related 2-(pyridin-2-yl)-5,6-dihydropyrrolo[1,2-b]pyrazole derivatives, which differ however in the definition of the heterocyclic substitution for R2.

The structural difference with the compounds of the closest relevant prior art (D1-D3) may be considered substantial, such that without any further suggestion in the available prior art the person skilled in the art would not consider the presently claimed subject-matter as an obvious solution to the problem of providing further agents that inhibit TGF-beta signal transduction.

Novelty and inventive step may therefore be acknowledged.

4) Further observations

Claims 11 and 13 relate to subject-matter considered by this Authority to be covered by the provisions of Rule 67.1(iv) PCT. Consequently, no opinion will be formulated with respect to the industrial applicability of the subject-matter of these claims (Article 34(4)(a)(I) PCT).